BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work:- Comprehensive development of Roads and Drains in Ward no 17 Rajarajeshwari Nagara Assembly Constituency Under PACKAGE - 2019-20-RRN-DIV(03)

Measurement Sheet
3rd And Part Bill

Item No: 2 01/6/2021

Item Name: Excavation for road, drains and similar works Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications complete as per specifications. MORTH Chapter 3 as per the direction of Engineer in charge

CHAINAGE Land Mark		NO	L (m)	B (m)	BI (m)	Avg B (m)	D (m)	QTY	REMARKS
J P Park Foothpath									
0.00	30.00	1	30.00	1.50	1.50	1.50	0.15	6.75	
30.00	60.00	1	30.00	1.50	1.50	1.50	0.15	6.75	
60.00	90.00	1	30.00	1.50	1.50	1.50	0.15	6.75	
90.00	120.00	1	30.00	1.50	1.50	1.50	0.15	6.75	
120.00	150.00	1	30.00	1.50	1.50	1.50	0.15	6.75	
150.00	180.00	1	30.00	1.50	1.50	1.50	0.15	6.75	
180.00	210.00	1	30.00	1.50	1.50	1.50	0.15	6.75	
210.00	240.00	1	30.00	1.50	1.50	1.50	0.15	6.75	
240.00	270.00	1	30.00	1.50	1.50	1.50	0.15	6.75	
270.00	300.00	1	30.00	1.50	1.50	1.50	0.15	6.75	
300.00	319.00	1	19.00	1.50	1.50	1.50	0.15	4.28	
0.00	30.00	1	30.00	1.50	1.50	1.50	0.15	6.75	
30.00	60.00	1	30.00	1.50	1.50	1.50	0.15	6.75	
60.00	90.00	1	30.00	1.50	1.50	1.50	0.15	6.75	
90.00	120.00	1	30.00	1.50	1.50	1.50	0.15	6.75	
120.00	150.00	1	30.00	1.50	1.50	1.50	0.15	6.75	
150.00	176.00	1	26.00	1.50	1.50	1.50	0.15	5.85	
								Total Qty Work Done	111.38 Cum
								Qty Payable in this bill	111.38 Cum

ckd & fg

For SAPIENCE CONSULTANTS

Contractor Representative

Consultant Representative
Authorised Signatory

Assistant Engineer
Ward No 17

Asst.Executive Engineer 01/06/2021
Yashwanthapura Sub Division

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BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work:- Comprehensive development of Roads and Drains in Ward no 17 Rajarajeshwari

Measurement Sheet

3rd And Part Bill

Item No: 15

Item Name: Removing and resetting of kerb stones.as per the direction of Engineer in charge

CHAINAGE Land Mark		NO	L (m)	B (m)	B1 (m)	Avg B (m)	D (m)	QTY	REMARKS
J P Park Foothpath									
0.00	30.00	1	21.00					21.00	
30.00	60.00	1	18.00					18.00	
60.00	90.00	1	21.00					21.00	
90.00	120.00	1	15.00					15.00	
120.00	150.00	1	20.00					20.00	
150.00	180.00	1	26.00					26.00	
180.00	210.00	1	22.00					22.00	
210.00	240.00	1	17.00					17.00	
240.00	270.00	1	17.00					17.00	
270.00	300.00	1	19.00					19.00	
300.00	319.00	1	15.00					15.00	
0.00	30.00	1	18.00					18.00	
30.00	60.00	1	22.00					22.00	
60.00	90.00	1	24.00					24.00	
90.00	120.00	1	23.00					23.00	
120.00	150.00	1	16.00					16.00	
150.00	176.00	1	8.00					8.00	
							Total Qty Work Done	322.00	Mtr
							Qty Payable in this bill	321.75	Mtr

GKA & Co

For SAPIENCE CONSULTANTS

Contractor Representative

Consultant Representative

Authorised Signatory

Assistant Engineer
Ward No 17

01/06/2021

Asst.Executive Engineer
Yashwanthapura Sub Division

01/06/2021

Scanned with CamScanner

BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work:- Comprehensive development of Roads and Drains in Ward no 17 Rajarajeshwari

Measurement Sheet

3rd And Part Bill

Item No	16										
Item Name	Providing and fixing pre cast solid concrete kerb stones of size 450x150x500 mm made out of CC 1:2:4 and finished with CM 1:3 plastering and finishing curring etc , complete as per the direction of Engineer in charge										
	CHAINAGE		NO	L (m)	B (m)	B1 (m)	Avg B (m)	D (m)	QTY	REMARKS	
	Land Mark										
	J P Park Footpath										
	0.00	30.00	1	9.00					9.00		
	30.00	60.00	1	12.00					12.00		
	60.00	90.00	1	9.00					9.00		
	90.00	120.00	1	15.00					15.00		
	120.00	150.00	1	10.00					10.00		
	150.00	180.00	1	4.00					4.00		
	180.00	210.00	1	8.00					8.00		
	210.00	240.00	1	13.00					13.00		
	240.00	270.00	1	13.00					13.00		
	270.00	300.00	1	11.00					11.00		
	300.00	31[illegible]	1	4.00					4.00		
	SRd & fc										
	0.00	30.00	1	12.00					12.00		
	30.00	60.00	1	8.00					8.00		
	60.00	90.00	1	6.00					6.00		
	90.00	120.00	1	7.00					7.00		
	120.00	150.00	1	14.00					14.00		
	150.00	176.00	1	18.00					18.00		
									173.00		
								No of Krbs=length / 0.45	384.00		
								Total Qty Work Done	384.00	No's	
								Qty Payable in this bill	384.00	No's	

For SAPIENCE CONSULTANTS

Contractor Representative

Consultant Signature

Author ted Signature

Assistant Engineer
Ward No 17
28/06/2024

Asst.Executive Engineer
Yashwanthapura Sub Division
28/06/2024

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BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work:- Comprehensive Development of Roads and Drains in Ward no 17 Rajarajeshwari

Item No: 17 | 3 | 3.1 | 3.1.1 | 3.1.1.1 | 3.1.1.1.1 | 3.1.1.1.1.1

Item Name: Painting two coats after filling the surface with synthetic enamel paint in approved shades on new plastered concrete surfaces with materials, labour complete as per specifications MSR/III Chapter Etc pw the direction of Engineer in charge

CHAINAGE Land Mark		Nos	L (m)	B (m)	D1 (m)	Angle (m)	D (m)	QTY	REMARKS
J P Park Footpath									
0.00	30.00	1	30.00				0.40	12.00	
30.00	60.00	1	30.00				0.40	12.00	
60.00	90.00	1	30.00				0.40	12.00	
90.00	120.00	1	30.00				0.40	12.00	
120.00	150.00	1	30.00				0.40	12.00	
150.00	176.00	1	26.00				0.40	10.40	
							Total Qty Work Done	198.00	Sqm
							Qty Payable in this bill	198.00	Sqm

ckd & fc

For SAPIENCE CONSULTANTS

Authorised Signatory

Contractor Representative

Consultant Representative

Assistant Engineer
Ward No 17

30/06/2024

Asst.Executive Engineer
Yashwanthapura Sub Division

30/06/2024

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BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work:- Comprehensive development of Roads and Drains in Ward no 17 Rajarajeshwari

Measurement Sheet

3rd And Part Bill

Item No: 20

Item Name: Construction of embankment with approved material Gravel/Murrum with all lifts and leads, transporting to site, spreading, grading to required slope and compacting to meet requirement Table 300-2 complete as per specifications, including cost of gravel / murrum, watering charges & compaction by vibratory roller to 95% of modified proctors density. MORTH Specification No. 305 as per the direction of Engineer in charge

CHAINAGE Land Mark		NO	L (m)	B (m)	B1 (m)	Avg B (m)	D (m)	QTY	REMARKS
J P Park Foothpath									
0.00	30.00	1	30.00	1.50	1.50	1.50	0.20	9.00	
30.00	60.00	1	30.00	1.50	1.50	1.50	0.20	9.00	
60.00	90.00	1	30.00	1.50	1.50	1.50	0.20	9.00	
90.00	120.00	1	30.00	1.50	1.50	1.50	0.20	9.00	
120.00	150.00	1	30.00	1.50	1.50	1.50	0.20	9.00	
150.00	180.00	1	30.00	1.50	1.50	1.50	0.20	9.00	
180.00	210.00	1	30.00	1.50	1.50	1.50	0.20	9.00	
210.00	240.00	1	30.00	1.50	1.50	1.50	0.20	9.00	
240.00	270.00	1	30.00	1.50	1.50	1.50	0.20	9.00	
270.00	300.00	1	30.00	1.50	1.50	1.50	0.20	9.00	
300.00	319.00	1	19.00	1.50	1.50	1.50	0.20	5.70	
0.00	30.00	1	30.00	1.50	1.50	1.50	0.20	9.00	
30.00	60.00	1	30.00	1.50	1.50	1.50	0.20	9.00	
60.00	90.00	1	30.00	1.50	1.50	1.50	0.20	9.00	
90.00	120.00	1	30.00	1.50	1.50	1.50	0.20	9.00	
120.00	150.00	1	30.00	1.50	1.50	1.50	0.20	9.00	
150.00	176.00	1	26.00	1.50	1.50	1.50	0.20	7.80	
SWD Drain									
80.80	92.30	1	11.50	2.50	2.50	2.50	0.30	8.63	
128.80	156.30	1	27.50	2.50	2.50	2.50	0.30	20.63	
156.30	183.80	1	27.50	2.50	2.50	2.50	0.30	20.63	
208.80	232.30	1	23.50	2.50	2.50	2.50	0.30	17.63	
232.30	252.60	1	20.30	2.50	2.50	2.50	0.30	15.23	
252.60	262.60	1	10.00	2.50	2.50	2.50	0.30	7.50	
262.60	292.60	1	30.00	2.50	2.50	2.50	0.30	22.50	
292.60	300.10	1	7.50	2.50	2.50	2.50	0.30	5.63	
300.10	330.10	1	30.00	2.50	2.50	2.50	0.30	22.50	
330.10	360.10	1	30.00	2.50	2.50	2.50	0.30	22.50	
360.10	390.10	1	30.00	2.50	2.50	2.50	0.30	22.50	
390.10	420.10	1	30.00	2.50	2.50	2.50	0.30	22.50	
420.10	450.10	1	30.00	2.50	2.50	2.50	0.30	22.50	
450.10	478.60	1	28.50	2.50	2.50	2.50	0.30	21.38	
478.60	508.60	1	30.00	2.50	2.50	2.50	0.30	22.50	
508.60	538.60	1	30.00	2.50	2.50	2.50	0.30	22.50	

ckd & fc

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	538.60	CRD & FC	1	6.00	2.50	2.50	2.50	0.30	4.50	
								Total Qty Work Done	450.23	Cum
								Qty Payable in this bill	450.23	Cum

Contractor Representative

FOR SAPIENCE CONSULTANTS

Authorised Signatory

Assistant Engineer
Ward No 17

30/06/2021

Asst.Executive Engineer
Yashwanthapura Sub Division

30/06/2021

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BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work:- Comprehensive development of Roads and Drains in Ward no 17 Rajarajeshwari

Measurement Sheet

3rd And Part Bill

Item No: 21

Item Name: Construction of granular sub-base Grading-V as Sub-base and drainage layer by providing coarse graded crushed stone aggregates of granite/ trap/basalt material, mixing in a mechanical mix plant at OMC. Carriage of mixed material to work site, spreading in uniform layers with motor grader on prepared surface and compacting with vibratory power roller to achieve the 98 % proctor density, complete as per specifications. Clause 401 of MORTH V Revision. as per the direction of Engineer in charge

CHAINAGE		NO	L (m)	B (m)	BI (m)	Avg B (m)	D (m)	QTY	REMARKS
Land Mark									
J P Park Foothpath									
0.00	30.00	1	30.00	1.50	1.50	1.50	0.15	6.75	
30.00	60.00	1	30.00	1.50	1.50	1.50	0.15	6.75	
60.00	90.00	1	30.00	1.50	1.50	1.50	0.15	6.75	
90.00	120.00	1	30.00	1.50	1.50	1.50	0.15	6.75	
120.00	150.00	1	30.00	1.50	1.50	1.50	0.15	6.75	
150.00	180.00	1	30.00	1.50	1.50	1.50	0.15	6.75	
180.00	210.00	1	30.00	1.50	1.50	1.50	0.15	6.75	
210.00	240.00	1	30.00	1.50	1.50	1.50	0.15	6.75	
240.00	270.00	1	30.00	1.50	1.50	1.50	0.15	6.75	
270.00	300.00	1	30.00	1.50	1.50	1.50	0.15	6.75	
300.00	319.00	1	19.00	1.50	1.50	1.50	0.15	4.28	
0.00	30.00	1	30.00	1.50	1.50	1.50	0.15	6.75	
30.00	60.00	1	30.00	1.50	1.50	1.50	0.15	6.75	
60.00	90.00	1	30.00	1.50	1.50	1.50	0.15	6.75	
90.00	120.00	1	30.00	1.50	1.50	1.50	0.15	6.75	
120.00	150.00	1	30.00	1.50	1.50	1.50	0.15	6.75	
150.00	176.00	1	26.00	1.50	1.50	1.50	0.15	5.85	
SWD Drain									
80.80	92.30	1	11.50	2.50	2.50	2.50	0.25	7.19	
128.80	156.30	1	27.50	2.50	2.50	2.50	0.25	17.19	
156.30	183.80	1	27.50	2.50	2.50	2.50	0.25	17.19	
208.80	232.30	1	23.50	2.50	2.50	2.50	0.25	14.69	
232.30	252.60	1	20.30	2.50	2.50	2.50	0.25	12.69	
252.60	262.60	1	10.00	2.50	2.50	2.50	0.25	6.25	
262.60	292.60	1	30.00	2.50	2.50	2.50	0.25	18.75	
292.60	300.10	1	7.50	2.50	2.50	2.50	0.25	4.69	
300.10	330.10	1	30.00	2.50	2.50	2.50	0.25	18.75	
330.10	360.10	1	30.00	2.50	2.50	2.50	0.25	18.75	
360.10	390.10	1	30.00	2.50	2.50	2.50	0.25	18.75	
390.10	420.10	1	30.00	2.50	2.50	2.50	0.25	18.75	
420.10	450.10	1	30.00	2.50	2.50	2.50	0.25	18.75	
450.10	478.60	1	28.50	2.50	2.50	2.50	0.25	17.81	
478.60	508.60	1	30.00	2.50	2.50	2.50	0.25	18.75	
508.60	538.60	1	30.00	2.50	2.50	2.50	0.25	18.75	

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	538.60	538.60	1	6.00	2.50	2.50	2.50	0.25	3.75	
								Total Qty Work Done	362.81	Cum
								Qty Payable in this bill	362.81	Cum

okd & fc 20/6/24

Contractor Representative

FOR SAPIENCE CONSULTANTS

Consultant Representative
Authorised Signatory

Assistant Engineer
Ward No 17

20/06/2024

Asst.Executive Engineer
Yashwanthapura Sub Division

20/06/2024

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BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work:- Comprehensive development of Roads and Drains in Ward no 17 Rajarajeshwari

Measurement Sheet

3rd And Part Bill

Item No: 22

Item Name: Providing and filling sand in foundation to required depth for sub soil treatment including watering ramming with all lead and lift Complete as per specifications. specification. No. KBS 2.10.2as per the direction of Engineer in charge

CHAINAGE Land Mark		NO	L (m)	B (m)	BI (m)	Avg B (m)	D (m)	QTY	REMARKS
SWD Drain									
0.00	30.00	1	30.00	5.60	5.60	5.60	0.10	16.80	
30.00	56.30	1	26.30	5.60	5.60	5.60	0.10	14.73	
56.30	80.80	1	24.50	6.20	6.20	6.20	0.10	15.19	
80.80	92.30	1	11.50	5.70	5.70	5.70	0.10	6.56	
92.30	104.30	1	12.00	6.50	6.50	6.50	0.10	7.80	
104.30	128.80	1	24.50	4.90	4.90	4.90	0.10	12.01	
128.80	156.30	1	27.50	5.80	5.80	5.80	0.10	15.95	
156.30	183.80	1	27.50	5.80	5.80	5.80	0.10	15.95	
183.80	208.80	1	25.00	5.30	5.30	5.30	0.10	13.25	
208.80	232.30	1	23.50	4.90	4.90	4.90	0.10	11.52	
232.30	252.60	1	20.30	4.80	4.80	4.80	0.10	9.74	
252.60	262.60	1	10.00	5.60	5.60	5.60	0.10	5.60	
262.60	292.60	1	30.00	5.90	5.90	5.90	0.10	17.70	
292.60	300.10	1	7.50	5.90	5.90	5.90	0.10	4.43	
300.10	330.10	1	30.00	5.50	5.50	5.50	0.10	16.50	
330.10	360.10	1	30.00	5.50	5.50	5.50	0.10	16.50	
360.10	390.10	1	30.00	5.50	5.50	5.50	0.10	16.50	
390.10	420.10	1	30.00	5.50	5.50	5.50	0.10	16.50	
420.10	450.10	1	30.00	5.50	5.50	5.50	0.10	16.50	
450.10	478.60	1	28.50	5.50	5.50	5.50	0.10	15.68	
478.60	508.60	1	30.00	5.80	5.80	5.80	0.10	17.40	
508.60	538.60	1	30.00	5.80	5.80	5.80	0.10	17.40	
538.60	544.60	1	6.00	5.80	5.80	5.80	0.10	3.48	
							Total Qty Work Done	303.67	Cum
							Qty Payable in this bill	303.67	Cum

ckd & fc

For SAPIENCE CONSULTANTS

Contractor Representative

Authorised Signatory
Consultant Representative

02/07/2021

Assistant Engineer
Ward No 17

02/07/2021

Asst.Executive Engineer
Yashwanthapura Sub Division

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BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work:- Comprehensive development of Roads and Drains in Ward no 17 Rajarajeshwari

Measurement Sheet

3rd And Part Bill

Item No: 30

Item Name: Providing and laying heavy duty cobble stones 75mm thick interlock pavers, using cement and course sand for manufacture of blocks of approved size, shape and colour with a minimum compressive strength of 281 kg per sqm over 50mm thick sand bed (average thickness) and compacting with plate vibrator having 3 tons compaction force thereby forcing part of sand underneath to come up in between joints, final compaction of paver surface joints into its final level, including cost of materials, labour and HOM of machineries complete as per specifications.Specification No. KBSas per the direction of Engineer in charge

CHAINAGE Land Mark		NO	L (m)	B (m)	B1 (m)	Avg B (m)	D (m)	QTY	REMARKS
J P Park Foothpath									
0.00	30.00	1	30.00	1.50	1.50	1.50		45.00	
30.00	60.00	1	30.00	1.50	1.50	1.50		45.00	
60.00	90.00	1	30.00	1.50	1.50	1.50		45.00	
90.00	120.00	1	30.00	1.50	1.50	1.50		45.00	
120.00	150.00	1	30.00	1.50	1.50	1.50		45.00	
150.00	180.00	1	30.00	1.50	1.50	1.50		45.00	
180.00	210.00	1	30.00	1.50	1.50	1.50		45.00	
210.00	240.00	1	30.00	1.50	1.50	1.50		45.00	
240.00	270.00	1	30.00	1.50	1.50	1.50		45.00	
270.00	300.00	1	30.00	1.50	1.50	1.50		45.00	
300.00	319.00	1	19.00	1.50	1.50	1.50		28.50	
0.00	30.00	1	30.00	1.50	1.50	1.50		45.00	
30.00	60.00	1	30.00	1.50	1.50	1.50		45.00	
60.00	90.00	1	30.00	1.50	1.50	1.50		45.00	
90.00	120.00	1	30.00	1.50	1.50	1.50		45.00	
120.00	150.00	1	30.00	1.50	1.50	1.50		45.00	
150.00	176.00	1	26.00	1.50	1.50	1.50		39.00	
SWD Drain									
0.00	30.00	1	30.00	5.60	5.60	5.60		168.00	
30.00	56.30	1	26.30	5.60	5.60	5.60		147.28	
56.30	80.80	1	24.50	6.20	6.20	6.20		151.90	
80.80	92.30	1	11.50	5.70	5.70	5.70		65.55	
92.30	104.30	1	12.00	6.50	6.50	6.50		78.00	
104.30	128.80	1	24.50	4.90	4.90	4.90		120.05	
128.80	156.30	1	27.50	5.80	5.80	5.80		159.50	
156.30	183.80	1	27.50	5.80	5.80	5.80		159.50	
183.80	208.80	1	25.00	5.30	5.30	5.30		132.50	
208.80	232.30	1	23.50	4.90	4.90	4.90		115.15	
232.30	252.60	1	20.30	4.80	4.80	4.80		97.44	
252.60	262.60	1	10.00	5.60	5.60	5.60		56.00	
262.60	292.60	1	30.00	5.90	5.90	5.90		177.00	
292.60	300.10	1	7.50	5.90	5.90	5.90		44.25	
300.10	330.10	1	30.00	5.50	5.50	5.50		165.00	
330.10	360.10	1	30.00	5.50	5.50	5.50		165.00	
360.10	390.10	1	30.00	5.50	5.50	5.50		165.00	
390.10	420.10	1	30.00	5.50	5.50	5.50		165.00	
420.10	450.10	1	30.00	5.50	5.50	5.50		165.00	

Executive Engineer
Rajarajeshwari Nagara Division
Bruhat Bangalore Mahanagara Palike

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450.10	478.60	1	28.50	5.50	5.50	5.50		436.73
478.60	508.60	1	30.00	5.80	5.80	5.80		174.00
508.60	538.60	1	30.00	5.80	5.80	5.80		1339.17
538.60	[illegible]	1	6.00	5.80	5.80	5.80		
							Total Qty Work Done	
							Qty Payable in this bill	

GKU & Co

Executive Engineer
Yashwanthapura Division
BBMP, Yelahanka Zone
Bangalore - 560064.

Contractor Representative

FOR SAPIENCE CONSULTANTS

Authorised Signatory
Consultant Representative

09/03/2021

Assistant Engineer
Ward No 17

09/03/2021

Asst.Executive Engineer
Yashwanthapura Sub Division

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BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work:- Comprehensive development of Roads and Drains in Ward no 17 Rajarajeshwari

Measurement Sheet

3rd And Part Bill

Item No: 34

Item Name: Excavation for roadwork in soil with hydraulic excavator of 0.90 cum bucket capacity including cutting and loading in tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transporting to embankment location and complete as per specifications. MORTH Specification No.301 as per the direction of Engineer in charge

CHAINAGE		NO	L (m)	B (m)	B1 (m)	Avg B (m)	D (m)	QTY	REMARKS
Land Mark									
SWD Drain									
80.80	92.30	1	11.50	2.50	2.50	2.50	0.45	12.94	
128.80	156.30	1	27.50	2.50	2.50	2.50	0.45	30.94	
156.30	183.80	1	27.50	2.50	2.50	2.50	0.45	30.94	
208.80	232.30	1	23.50	2.50	2.50	2.50	0.45	26.44	
232.30	252.60	1	20.30	2.50	2.50	2.50	0.45	22.84	
252.60	262.60	1	10.00	2.50	2.50	2.50	0.45	11.25	
262.60	292.60	1	30.00	2.50	2.50	2.50	0.45	33.75	
292.60	300.10	1	7.50	2.50	2.50	2.50	0.45	8.44	
300.10	330.10	1	30.00	2.50	2.50	2.50	0.45	33.75	
330.10	360.10	1	30.00	2.50	2.50	2.50	0.45	33.75	
360.10	390.10	1	30.00	2.50	2.50	2.50	0.45	33.75	
390.10	420.10	1	30.00	2.50	2.50	2.50	0.45	33.75	
420.10	450.10	1	30.00	2.50	2.50	2.50	0.45	33.75	
450.10	478.60	1	28.50	2.50	2.50	2.50	0.45	32.06	
478.60	508.60	1	30.00	2.50	2.50	2.50	0.45	33.75	
508.60	538.60	1	30.00	2.50	2.50	2.50	0.45	33.75	
538.60	544.60	1	6.00	2.50	2.50	2.50	0.45	6.75	
								Total Qty Work Done	452.59 Cum
								Qty Payable in this bill	452.59 Cum

ckd & fc

Contractor Representative

For SAPIENCE CONSULTANTS

Consultant Representative

Authorised Signatory

Assistant Engineer
Ward No 17

05/06/2021

Asst.Executive Engineer
Yashwanthapura Sub Division

05/06/2021

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BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work:- Comprehensive development of Roads and Drains in Ward no 17 Rajarajeshwari

Measurement Sheet

3rd And Part Bill

Item No: 35

Item Name: Providing and Constructing dry lean cement concrete mix CC 1:5:10 base with OPC 25mm and down size graded granite metal coarse aggregate at 0.86cum and fine aggregates @0.58cum over a prepared sub-base, coarse and fine aggregate conforming to IS: 383-2016,aggregate cement ratio not to exceed 15:1, Aggregate gradation after blending to be as per Table 600-1,optimum moisture content to be determined during trial length construction, concrete strength not to be less than 10 Mpa at 7 days, mixed in a batching plant, transported to site, laid with a paver, compacting with 8-10 tonnes vibratory roller, finishing and curing complete as per specifications. Clause 601of MORTH V Revision and IS 456 Table-5 do- with OPC at 150 kg/cum and coarse aggregate 0.86cum, fine aggregate 0.58cum using Concrete Batch mix Plant at 75 cum/hr capacity with fixed form paver. as per the direction of Engineer in charge

CHAINAGE Land Mark		NO	L (m)	B (m)	B1 (m)	Avg B (m)	D (m)	QTY	REMARKS
SWD Drain									
80.80	92.30	1	11.50	2.50	2.50	2.50	0.20	5.75	
128.80	156.30	1	27.50	2.50	2.50	2.50	0.20	13.75	
156.30	183.80	1	27.50	2.50	2.50	2.50	0.20	13.75	
208.80	232.30	1	23.50	2.50	2.50	2.50	0.20	11.75	
232.30	252.60	1	20.30	2.50	2.50	2.50	0.20	10.15	
252.60	262.60	1	10.00	2.50	2.50	2.50	0.20	5.00	
262.60	292.60	1	30.00	2.50	2.50	2.50	0.20	15.00	
292.60	300.10	1	7.50	2.50	2.50	2.50	0.20	3.75	
300.10	330.10	1	30.00	2.50	2.50	2.50	0.20	15.00	
330.10	360.10	1	30.00	2.50	2.50	2.50	0.20	15.00	
360.10	390.10	1	30.00	2.50	2.50	2.50	0.20	15.00	
390.10	420.10	1	30.00	2.50	2.50	2.50	0.20	15.00	
420.10	450.10	1	30.00	2.50	2.50	2.50	0.20	15.00	
450.10	478.60	1	28.50	2.50	2.50	2.50	0.20	14.25	
478.60	508.60	1	30.00	2.50	2.50	2.50	0.20	15.00	
508.60	538.60	1	30.00	2.50	2.50	2.50	0.20	15.00	
538.60	544.60	1	6.00	2.50	2.50	2.50	0.20	3.00	
							Total Qty Work Done	201.15	Cum
							Qty Payable in this bill	201.15	Cum

ckd & fc

Contractor Representative

For SAPIENCE CONSULTANTS

Consultant Representative
Authorised Signatory

Assistant Engineer
Ward No 17
09/08/2021

Asst.Executive Engineer
Yashwanthapura Sub Division
05/07/2021

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BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work:- Comprehensive development of Roads and Drains in Ward no 17 Rajarajeshwari

Measurement Sheet

3rd And Part Bill

Item No: 36

Item Name: Constructing un-reinforced, plain cement concrete for pavements using Grade concrete M30 over a prepared base with OPC coarse aggregate at 0.69 cum, fine aggregates at 0.46 cum,Coarse and fine aggregate conforming to IS:383-2016, with Superplastizer at 3 lts conforming to IS 9103-2008. mixed in a concrete mixer of not less than 0.6 cum capacity and appropriate weigh batcher as per approved mix design, laid in approved fixed side form work (steel channel,laying and fixing of 125 micron thick polythene film, wedges, steelplates including levelling the form work as per drawing). & Spreading the concrete with shovels, rackers compacted using needle, screed and plate vibrator and finished with floaters in a continuous operation including provision of contraction, expansion, construction and longitudinal joints,including groove cutting charges, joint filler, separation membrane of impermiable plastic sheet of 125 micron, sealant primer, joint sealant, admixtures as approved, curing compound, finishing to -do- with OPC at 360 kg/cum and coarse aggregate 0.69cum, fine aggregate 0.46cum. as per the direction of Engineer in charge

CHAINAGE Land Mark		NO	L (m)	B (m)	B1 (m)	Avg B (m)	D (m)	QTY	REMARKS
SWD Drain									
80.80	92.30	1	11.50	2.50	2.50	2.50	0.23	6.61	
128.80	156.30	1	27.50	2.50	2.50	2.50	0.23	15.81	
156.30	183.80	1	27.50	2.50	2.50	2.50	0.23	15.81	
208.80	232.30	1	23.50	2.50	2.50	2.50	0.23	13.51	
232.30	252.60	1	20.30	2.50	2.50	2.50	0.23	11.67	
252.60	262.60	1	10.00	2.50	2.50	2.50	0.23	5.75	
262.60	292.60	1	30.00	2.50	2.50	2.50	0.23	17.25	
292.60	300.10	1	7.50	2.50	2.50	2.50	0.23	4.31	
300.10	330.10	1	30.00	2.50	2.50	2.50	0.23	17.25	
330.10	360.10	1	30.00	2.50	2.50	2.50	0.23	17.25	
360.10	390.10	1	30.00	2.50	2.50	2.50	0.23	17.25	
390.10	420.10	1	30.00	2.50	2.50	2.50	0.23	17.25	
420.10	450.10	1	30.00	2.50	2.50	2.50	0.23	17.25	
450.10	478.60	1	28.50	2.50	2.50	2.50	0.23	16.39	
478.60	508.60	1	30.00	2.50	2.50	2.50	0.23	17.25	
508.60	538.60	1	30.00	2.50	2.50	2.50	0.23	17.25	
538.60	544.60	1	6.00	2.50	2.50	2.50	0.23	3.45	
SWD Drain Side Supports									
0.00	30.00	2	30.00	0.25	0.25	0.25	0.25	3.75	
30.00	56.30	2	26.30	0.25	0.25	0.25	0.25	3.29	
56.30	80.80	2	24.50	0.25	0.25	0.25	0.25	3.06	
80.80	92.30	2	11.50	0.25	0.25	0.25	0.25	1.44	
92.30	104.30	2	12.00	0.25	0.25	0.25	0.25	1.50	
104.30	128.80	2	24.50	0.25	0.25	0.25	0.25	3.06	
128.80	156.30	2	27.50	0.25	0.25	0.25	0.25	3.44	
156.30	183.80	2	27.50	0.25	0.25	0.25	0.25	3.44	
183.80	208.80	2	25.00	0.25	0.25	0.25	0.25	3.13	
208.80	232.30	2	23.50	0.25	0.25	0.25	0.25	2.94	
232.30	252.60	2	20.30	0.25	0.25	0.25	0.25	2.54	
252.60	262.60	2	10.00	0.25	0.25	0.25	0.25	1.25	
262.60	292.60	2	30.00	0.25	0.25	0.25	0.25	3.75	

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292.60	300.10	2	7.50	0.25	0.25	0.25	0.25	0.94		
300.10	330.10	2	30.00	0.25	0.25	0.25	0.25	3.75		
330.10	360.10	2	30.00	0.25	0.25	0.25	0.25	3.75		
360.10	390.10	2	30.00	0.25	0.25	0.25	0.25	3.75		
390.10	420.10	2	30.00	0.25	0.25	0.25	0.25	3.75		
420.10	450.10	2	30.00	0.25	0.25	0.25	0.25	3.75		
450.10	478.60	2	28.50	0.25	0.25	0.25	0.25	3.56		
478.60	508.60	2	30.00	0.25	0.25	0.25	0.25	3.75		
508.60	538.60	2	30.00	0.25	0.25	0.25	0.25	3.75		
538.60	544.60	2	6.00	0.25	0.25	0.25	0.25	0.75		
							Total Qty Work Done		299.40	Cum
							Qty Payable in this bill		299.40	Cum

Contractor Representative

For SAPIENCE CONSULTANTS

Authorised Representative
Authorised Signatory

Assistant Engineer
Ward No 17

19/02/2021

Asst.Executive Engineer
Yashwanthapura Sub Division

19/02/2021

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BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work:- Comprehensive development of Roads and Drains in Ward no 17 Rajarajeshwari

Measurement Sheet

3rd And Part Bill

37 Vaccum de-watering with vaccum pump and suction mat and compaction with skin floater clubbed with floating disc including cost of generator, HOM of machinery, Screed Vibratory, Power Floater, blade and disc etc., with all lead and lift. as per the direction of Engineer in charge

CHAINAGE Land Mark		NO	L (m)	B (m)	BI (m)	Avg B (m)	D (m)	QTY	REMARKS
SWD Drain									
80.80	92.30	1	11.50	2.50	2.50	2.50		28.75	
128.80	156.30	1	27.50	2.50	2.50	2.50		68.75	
156.30	183.80	1	27.50	2.50	2.50	2.50		68.75	
208.80	232.30	1	23.50	2.50	2.50	2.50		58.75	
232.30	252.60	1	20.30	2.50	2.50	2.50		50.75	
252.60	262.60	1	10.00	2.50	2.50	2.50		25.00	
262.60	292.60	1	30.00	2.50	2.50	2.50		75.00	
292.60	300.10	1	7.50	2.50	2.50	2.50		18.75	
300.10	330.10	1	30.00	2.50	2.50	2.50		75.00	
330.10	360.10	1	30.00	2.50	2.50	2.50		75.00	
360.10	390.10	1	30.00	2.50	2.50	2.50		75.00	
390.10	420.10	1	30.00	2.50	2.50	2.50		75.00	
420.10	450.10	1	30.00	2.50	2.50	2.50		75.00	
450.10	478.60	1	28.50	2.50	2.50	2.50		71.25	
478.60	508.60	1	30.00	2.50	2.50	2.50		75.00	
508.60	538.60	1	30.00	2.50	2.50	2.50		75.00	
538.60	544.60	1	6.00	2.50	2.50	2.50		15.00	
SWD Drain Side Supports									
0.00	30.00	2	30.00	0.25	0.25	0.25		15.00	
30.00	56.30	2	26.30	0.25	0.25	0.25		13.15	
56.30	80.80	2	24.50	0.25	0.25	0.25		12.25	
80.80	92.30	2	11.50	0.25	0.25	0.25		5.75	
92.30	104.30	2	12.00	0.25	0.25	0.25		6.00	
104.30	128.80	2	24.50	0.25	0.25	0.25		12.25	
128.80	156.30	2	27.50	0.25	0.25	0.25		13.75	
156.30	183.80	2	27.50	0.25	0.25	0.25		13.75	
183.80	208.80	2	25.00	0.25	0.25	0.25		12.50	
208.80	232.30	2	23.50	0.25	0.25	0.25		11.75	
232.30	252.60	2	20.30	0.25	0.25	0.25		10.15	
252.60	262.60	2	10.00	0.25	0.25	0.25		5.00	
262.60	292.60	2	30.00	0.25	0.25	0.25		15.00	
292.60	300.10	2	7.50	0.25	0.25	0.25		3.75	
300.10	330.10	2	30.00	0.25	0.25	0.25		15.00	
330.10	360.10	2	30.00	0.25	0.25	0.25		15.00	
360.10	390.10	2	30.00	0.25	0.25	0.25		15.00	
390.10	420.10	2	30.00	0.25	0.25	0.25		15.00	
420.10	450.10	2	30.00	0.25	0.25	0.25		15.00	
450.10	478.60	2	28.50	0.25	0.25	0.25		14.25	
478.60	508.60	2	30.00	0.25	0.25	0.25		15.00	
508.60	538.60	2	30.00	0.25	0.25	0.25		15.00	

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	538.60	5	2	6.00	0.25	0.25	0.25			
							Total Qty Work Done	3.00		
							Qty Payable in this bill	1278.05		Sqm
								1278.05		Sqm

akd & fc

Contractor Representative

FOR SAPIENCE CONSULTANTS

Authorised Signatory

Assistant Engineer
Ward No 17

Asst.Executive Engineer
Yashwanthapura Sub Division

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